

CUSTOM APPLICATION BEHAVIOURAL SECURITY MONITORING USING SIEM

AGENDA FOR TODAY

- Introduction
- Problem Statement
- Application Security Monitoring Process
- Q & A



WHO ARE WE?

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Junior Manager , Cyber Risk Services

Deloitte Netherlands

Expertise: Security Monitoring , Threat Hunting



Prithvi Bhat

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Expertise: Security Monitoring, Risk assessments.



DUE TO VARIED PRIORITIES AND FOCUS ON CORE BUSINESS ORGANISATIONS OFTEN STRUGGLE WITH SECURITY MONITORING OF CROWN JEWEL.

Organisations struggle to identify relevant threats and setting up security monitoring/detection.

Alignment of security requirements to business objectives.

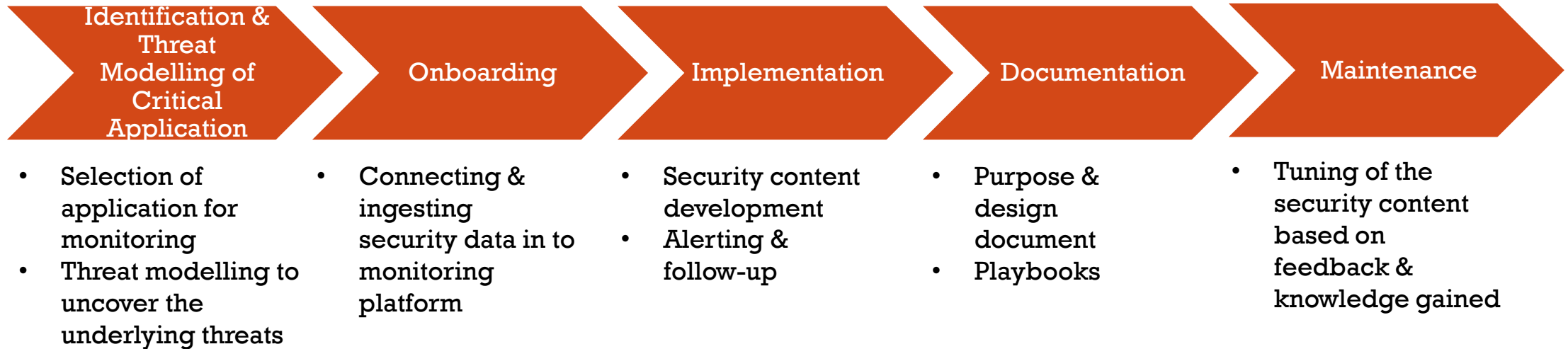
Availability of usable data that can be converted into tangible use-cases.

Expertise in building advanced monitoring content.



APPLICATION SECURITY MONITORING

Five step Process



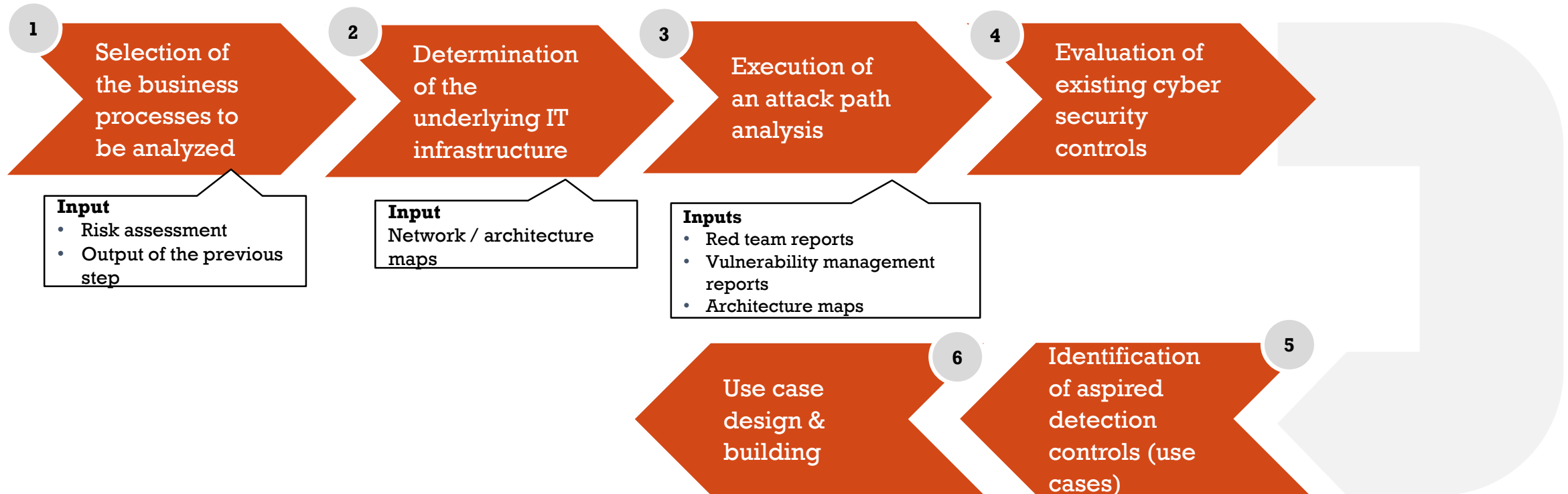
IDENTIFICATION AND RATING OF POTENTIAL APPLICATIONS BY SCORING THEM ALONG THREE FACTORS



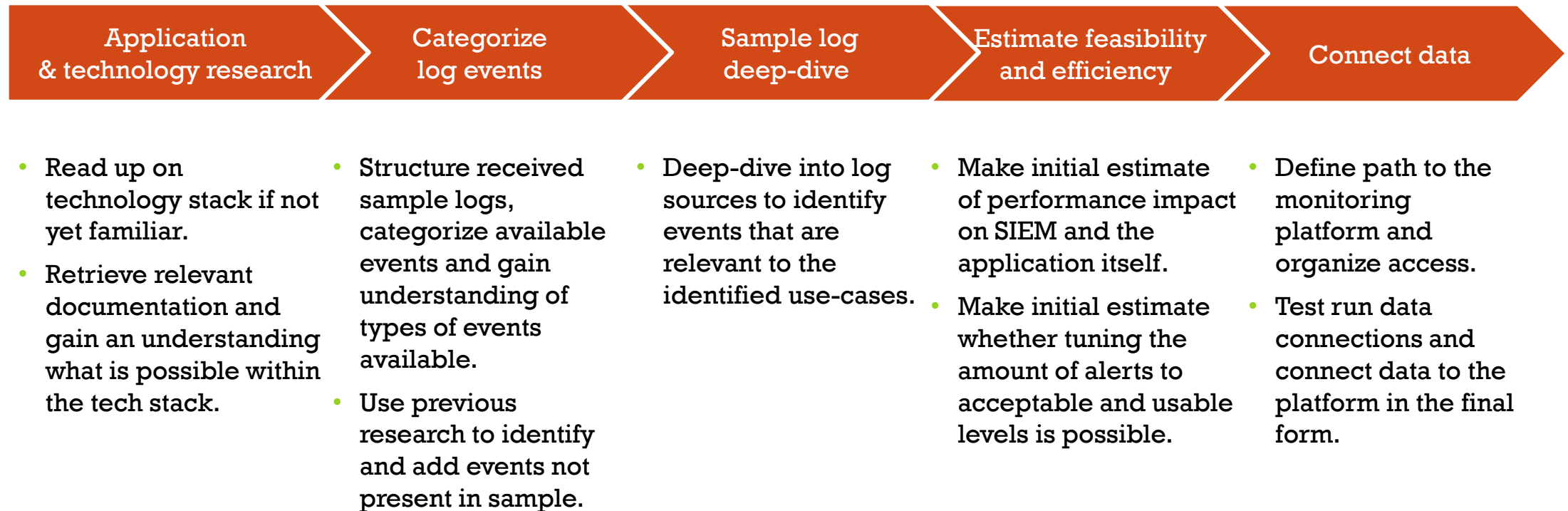
Actual risk coverage	Speed of implementation	Visibility within Organization
Risk mitigated, based on the threats, exposure and potential impact.	Ease and speed of onboarding the application and its use-cases.	Ability to show the added business value of security monitoring.



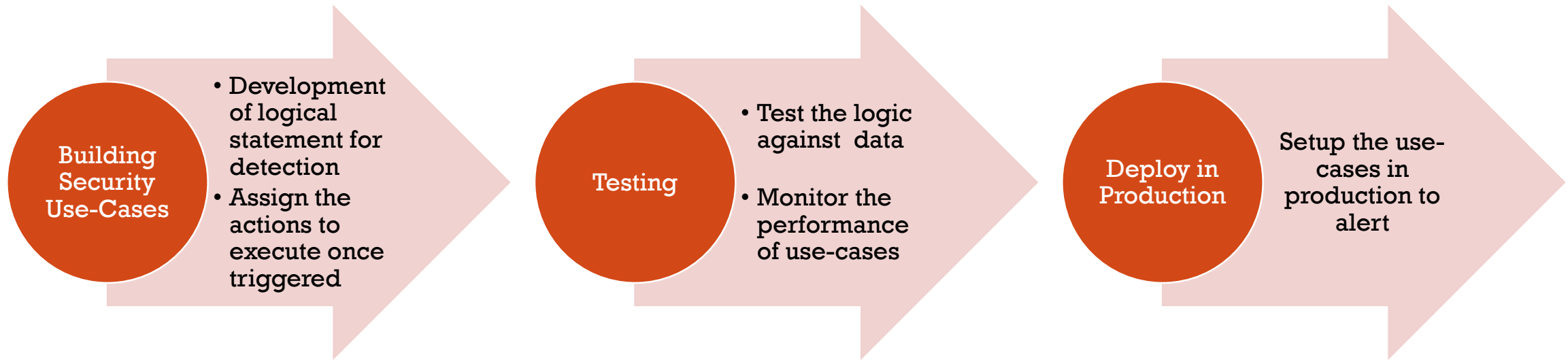
ONBOARDING APPLICATIONS IS DONE USING A STANDARDIZED THREAT MODELING AND USE CASE DESIGN PROCESS



ONBOARDING OF IDENTIFIED APPLICATION/S TO THE MONITORING PLATFORM



IMPLEMENTATION OF DESIGNED USE-CASES IN MONITORING PLATFORM



DOCUMENTATION

Purpose & Design Statement

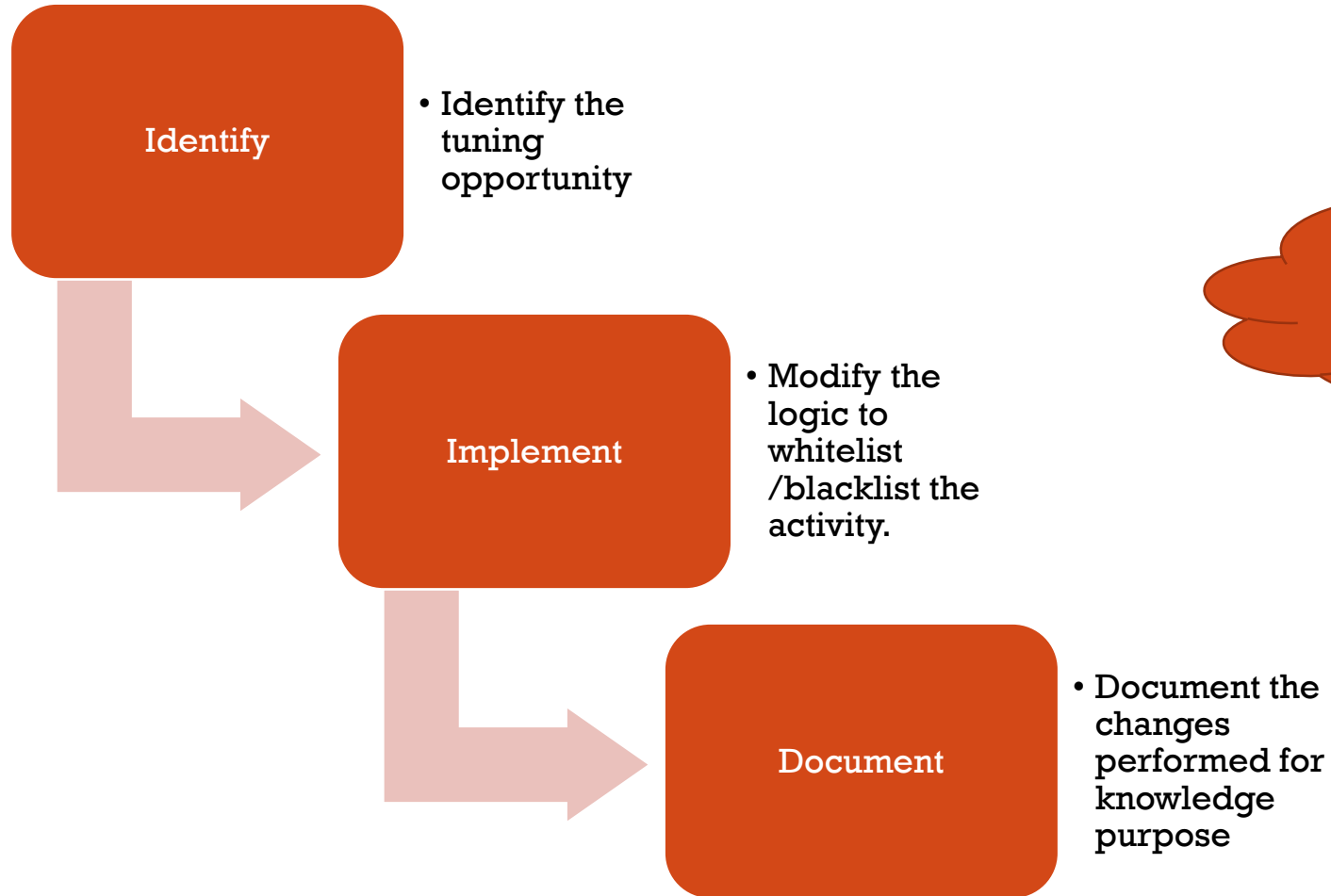
- Goal of the use-case and monitored threat
- Technical design of the use-case

Playbooks

- Investigation steps to triage the alert
- Should include relevant stakeholders and type of notification



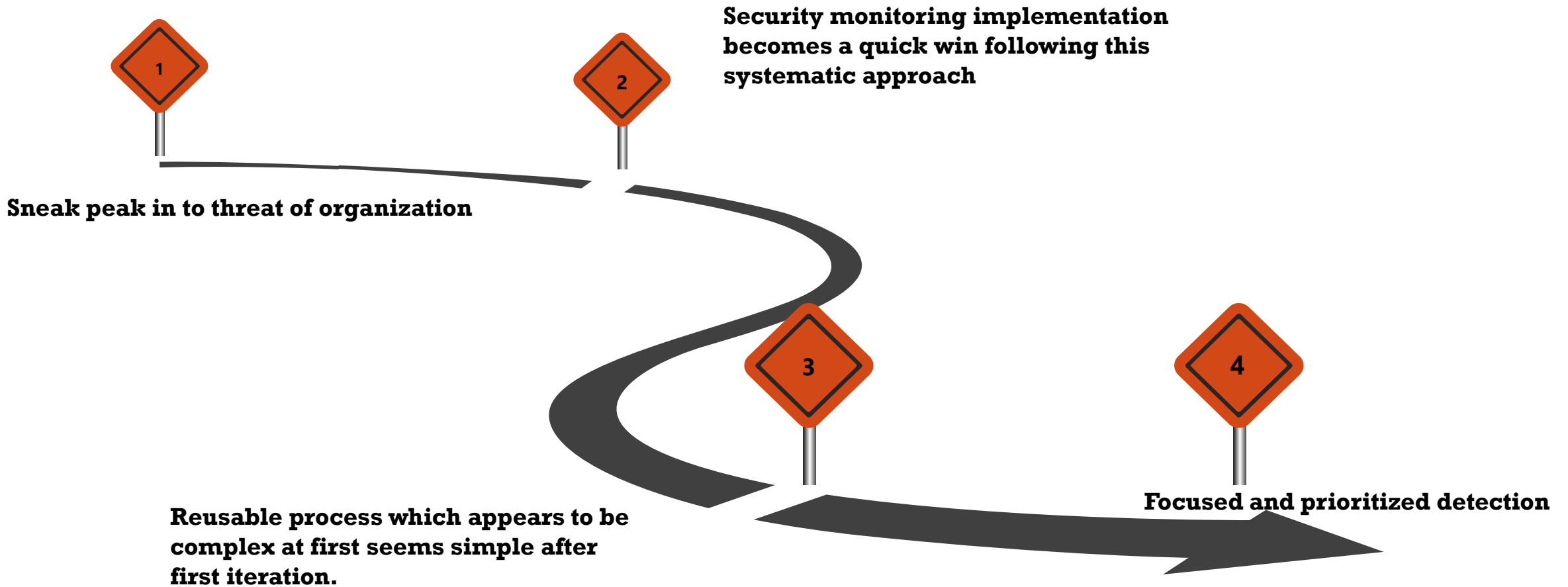
MAINTENANCE OF USE-CASES



Regular tuning is the key to effective use-cases

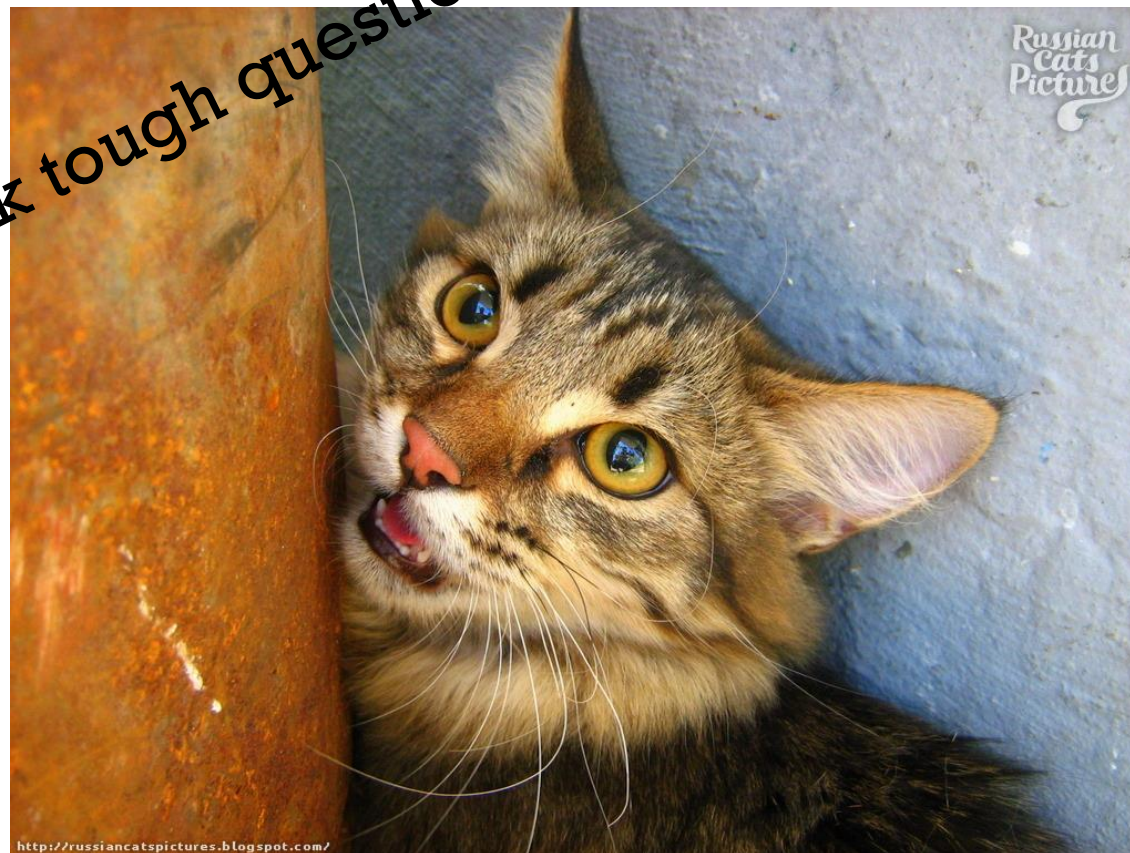


CONCLUSIONS



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Please don't ask tough questions



<http://russiancatspictures.blogspot.com/>

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